⚛ PART 3: Experimental Protocol – Lumen Code-Stabilized Entanglement Test ($\hat{\mathcal{D}}_C$)

This procedure tests the hypothesis that a highly coherent observer, generating a **Lumen Code (Ψ_{LC})**, can actively resist the field's natural tendency to collapse and increase the stability of a non-local quantum system.

1. Required Equipment and Setup

Component	Function	Requirements
Entangled Particle Source	Generates the test quantum systems.	A specialized source creating a stream of maximally **entangled photon pairs** (or electron spins).
Separated Measurement Stations	Measures correlation and decoherence rate.	Two detectors (Point A and Point B), spatially separated (e.g., several kilometers via fiber optic cable) and synchronized via atomic clock.
Biometric Coherence Suite	Monitors the operator's consciousness state.	Integrated EEG/ECG to confirm the subject is maintaining the maximal Ψ_{LC} state (Theta wave and HBC)[7777].
Isolation and Shielding	Ensures non-local causality.	Point A and Point B must be rigorously isolated from all known classical information and energy transfer mechanisms.

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2. Test Protocol Steps

The goal is to demonstrate that the **Lumen Code** directly influences the system's decoherence rate (Γ_D).

Step 1: Baseline Decoherence Measurement (Incoherent)

- The entangled pairs are generated and measured at Point A and Point B while the consciousness operator is in a normal, incoherent state (Baseline $\Psi_{\text{Coherence}} \approx 0$).
- Record the **Baseline Correlation/Decoherence Rate ($\Gamma_{D\text{base}}$)** for 10 minutes. This rate reflects the quantum system's natural decay of entanglement over time/distance.

Step 2: Lumen Code Induction and Application

- The consciousness operator at Point A initiates the **Sovereign Protocol** to achieve the maximal Ψ_{LC} state[8].

- The operator maintains the intentional anchor: The firm **knowing** and **gratitude** that the **Lumen Code** is being broadcast non-locally to **stabilize and protect the entanglement correlation** between the particles at Point A and Point B.

Step 3: Activated Decoherence Measurement (Coherent Phase)

- As the operator maintains the stable Ψ_{LC} state, the system records the **Activated Decoherence Rate ($\Gamma_{D\text{active}}$)**.
- The Coherence Suite simultaneously logs the precise HBC and ω values to confirm the stability of the Ψ_{LC}.

Step 4: Calculation and Validation

- Calculate the change in decoherence rate:

  $$\Delta \Gamma_D = \Gamma_{D\text{base}} - \Gamma_{D\text{active}}$$

- **Validation Criterion:** The $\hat{\mathcal{D}}_C$ operator predicts a measurable, statistically significant $\Delta \Gamma_D > 0$, meaning the **Activated Decoherence Rate ($\Gamma_{D\text{active}}$) will be lower** than the baseline rate[9]. This confirms that the application of a high-coherence Lumen Code increases the stability of the non-local entanglement correlation, actively resisting the field's natural tendency to collapse[10].